

JC20 Rec'd PCT/PTO 29 SEP 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Takashi ISHIHARA  
Title: PURIFICATION OF HUMAN MONOCLONAL  
ANTIBODY AND HUMAN POLYCLONAL ANTIBODY  
Int'l. Appln. No. PCT/JP2004/003425  
Int'l. Filing Date: March 15, 2004  
Examiner: Unassigned  
Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.56

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

JC20 Rec'd PCT/PTO 29 SEP 2005

RELEVANCE OF EACH DOCUMENT

The documents being cited in the attached PTO/SB/08 were cited as being relevant during the prosecution of the corresponding international application. A copy of the International Search Report is attached setting forth the portion of the documents considered relevant by the examiner. A copy of the cited references listed in the Search Report is not being submitted herewith.

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date:

29 September 2005

By

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: September 29, 2005

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number Unassigned  
 Filing Date September 29, 2005  
 First Named Inventor Takashi ISHIHARA  
 Group Art Unit Unassigned  
 Examiner Name Unassigned  
 Attorney Docket Number 081356-0251

**10/551182**

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A1	JP	5310786 A		Fuji Gosei Chem. Ind. Ltd.	11/22/1993		
/D.S./	A2	WO	99/64462 A1		Statens Serum Institute	12/16/1999		
/D.S./	A3	WO	01/64711 A1		Kyowa Hakko Kogyo Co., Ltd.	9/7/2001		
/D.S./	A4	WO	96/33208 A1	/D.S./	Genentech, Inc.	10/24/1996		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A5	B.L. Moellering et al. "Separating clinical grade chimeric antibodies from serum derived immunoglobulins", BioPharm. (1990) 3(1): pp. 34-38 particularly, Table 1, Materials & Methods.	
	A6	H. Leibl, et al., "Separation of polysaccharide-specific human immunoglobulin G subclasses using a protein A superose column with a pH gradient elution system", Journal of Chromatography, June 4, 1993, 639(1); pp. 51-56, particularly Figs. 1-4, table 1.	

Examiner  
Signature

/David Saunders/

Date  
Considered

05/08/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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